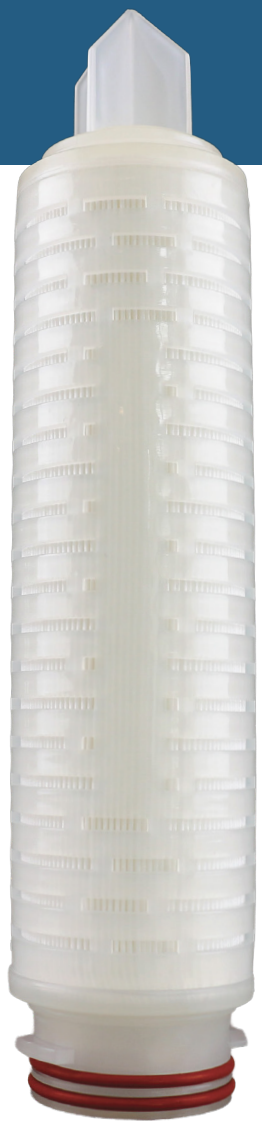
Mem-PLEAT N & Pur-MAXX N

Pleated Nylon 6,6 Membrane

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- **100% hydrophilic materials of construction** that are FDA listed as suitable for contact with food and beverage
- **Absolute-rated media** provides reliable, consistent and repeatable filtrate quality
- **No adhesives, binders, resin or surfactants are used during manufacturing,** resulting in superior downstream cleanliness
- **Lower filter extractables** than other hydrophilic membranes
- **High surface area**, yielding lower pressure drops and longer filter life
- **Non fiber-shedding polyester and polypropylene support materials** eliminate fiber migration
- **Pharmaceutical grade elements** are 100% integrity tested



PRODUCT DESCRIPTION

Strainrite's Pleated Nylon Membrane Cartridges are highly retentive, naturally hydrophilic nylon membrane filters that are specially designed for critical filtration requirements of aqueous fluids.

The Nylon 6,6 membrane, in an all-polypropylene construction*, provides excellent wet-out characteristics and superior flow performance per surface area as compared to other membrane cartridges. No additives, resins, surfactants or binders are used in the manufacturing process, which dramatically reduces rinse up time, extractables and downtime.

These cartridges are perfectly suited for critical applications where superior flow, and particle removal efficiency between 0.1 and 1.2 micron is required.

The Pur-MAXX N now offers a Special Pleat option, which provides expected surface area improvements of as much as 25%. This optimized pleat geometry option was developed for the filtration of process fluids that require a high degree of particle retention and/or constant bacterial barrier for effective sterilization.

*Filter medium is cast on a polyester support.

ABSOLUTE RATED RETENTION
0.1, 0.2, 0.45, 0.65, 0.8, 1.2 µm

OUTSIDE DIAMETER
MPN: 2.55" (6.48cm) | PRMXN: 2.7" (6.87cm)

PRODUCTION PROCESS
Thermal Bond

MAXIMUM DIFFERENTIAL PRESSURE
Forward: 75 psid (5.1 bar) @ 75°F (24°C)
40 psid (2.8 bar) @ 180°F (82°C)
Reverse: 50 psid (3.4 bar) @ 75°F (24°C)

APPROX SURFACE AREA
6.8 square feet per 10" equivalent

MAXIMUM OPERATING TEMPERATURE
180°F (82°C) Continuous Duty Polypropylene
275°F (135°C) Continuous Duty Polyester

PLEAT SUPPORT MATERIAL
Polypropylene
Polyester

FILTER MEDIA
Nylon 6,6 cast on Polyester

CAGE/CORE/ENDCAPS
Polypropylene | Polyester

TOXICITY
Cartridge materials meet USP Class VI and FDA CFR 21 for food and beverage contact

STERILIZATION
Cartridge can be sterilized via steam or Autoclave: 40 times, for 60 minutes at 257°F (125°C) and 3psi
Cartridge may be sanitized in place with common sanitizing agents, contact factory for chemical compatibility

SEALS
Buna N | Fluorocarbon | EPDM | Silicone | FEP Encapsulated Fluorocarbon | FEP Encapsulated Silicone | PTFE Foam | PTFE Hard

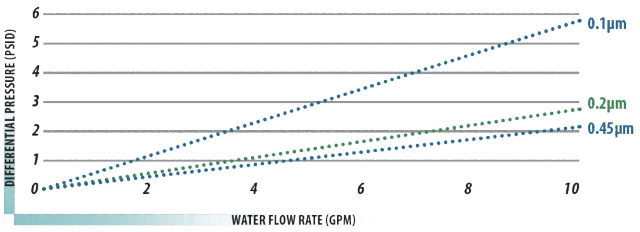
PACKAGING ECONOMY
Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton |
30 inch - 12 per carton | 40 inch - 9 per carton

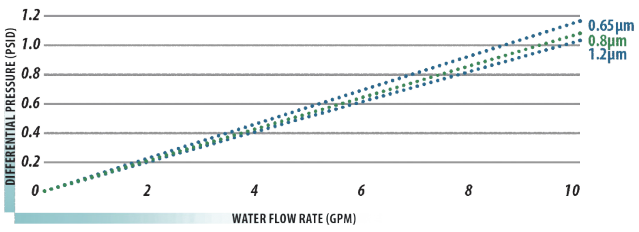
LENGTHS
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm) | 40 inch (102 cm)

SPECIFICATIONS

SCAN FOR MORE INFO

PERFORMANCE CHARACHTERISTICS





v 1026

ORDER OPTIONS

CARTRIDGE	RATINGS	LENGTHS	SUPPORT	END CAP	O-RING	GRADE	OPTIONS
MPN I Mem-Pleat N (2.55") **PRMXN** I Pur-MAXX N (2.7")	0.1 µm 0.2 µm 0.45 µm 0.65 µm 0.8 µm 1.2 µm	5" 10" 20" 30" 40"	**PP** = Polypropylene **PE** = Polyester	**C1** = Double Open Ends **C2** = 213/Recessed Cup **C3** = Flat/222 **C4** = Single Open End/Flat **C5** = Recessed Cup/222 **C6** = Flat/226 **C7** = Fin/226 **C8** = Fin/222	**S** = Silicone **B** = Buna N **V** = Fluorocarbon **E** = EPDM **TF** = PTFE Foam **TH** = PTFE Hard **TV** = Encapsulated Fluorocarbon **TS** = Encapsulated Silicone	**-** = General **1** = FDA Grade **2** = Pharmaceutical **5** = Water	**I** = 316 SS Insert **DIF** = DI Flush **APH** = All Polyester Hardware **PLEAT OPTION** **SP** = Special Pleat (PRMXN only)

MPN / PRMXN → 0.1 (MICRON RATING) – 10 (CARTRIDGE LENGTH) → PP (PLEAT SUPPORT) → C1 (END CAP CONFIGURATION) → S (GASKET / O-RING MATERIALS) → 2 (CARTRIDGE GRADE) → DIF (CARTRIDGE OPTIONS) → **MPN0.1-10PPC1S2DIF**